

Summary

Recombinant Mistletoe Lectins

The present invention relates to processes for the production of mistletoe lectin polypeptides in homologous and heterologous host systems and mistletoe lectin peptides as such. Further, nucleic acid molecules are provided, which code for these mistletoe lectin polypeptides, and also pharmaceutical compositions which contain these mistletoe lectin polypeptides or mistletoe lectin nucleic acids.

In order to produce the many mistletoe lectin isoenzymes contained in the natural mistletoe extract, which can trigger anti-tumorigenic and mood-brightening effects, in sufficient quantities, the present invention provides a process which makes it possible to produce mistletoe lectins in required quantities biotechnologically and at the same time to recreate the diversity of the natural mistletoe extract in mistletoe lectin isoenzymes.

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